

### **Abstract**

The invention relates to a method of producing an open-pored coated joint replacement implant, wherein at least one layer of a biocompatible metal or an alloy thereof is applied to a virgin surface of the implant, to produce an implant surface. A surface micro-structure is then produced on the implant surface. That is carried out by means of etching of the implant surface, for example by means of an acid bath or by means of plasma etching, or by the application of fine biocompatible particles to the implant surface. The layer thickness of the open-pored surface layer is in the range from 0.5 mm to 1.5 mm, the porosity being at least 40%.

### **PATENT**

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